



NOTE: PHASES ASSOCIATED BY A DASHED LINE WILL OPERATE CONCURRENTLY. PHASES ASSOCIATED BY A SOLID LINE WILL NOT OPERATE CONCURRENTLY.

- GENERAL NOTES**
- VIDEO CAMERA LOCATION/ALIGNING SHALL BE COORDINATED WITH THE SHA ENGINEER.
 - THE CONTRACTOR SHALL VERIFY ALL PROPOSED POLE AND CABINET LOCATIONS PRIOR TO INSTALLATION.
 - PAVEMENT MARKINGS DETAILED ARE PROPOSED AND ARE TO BE INSTALLED BY THE CONTRACTOR IN ACCORDANCE WITH MD-SHA STANDARDS. ALL OTHER PAVEMENT MARKINGS ARE TO BE CONSIDERED AS EXISTING. (REFERENCE SIGNING AND PAVEMENT MARKING PLAN.)
 - GEOMETRICS SHALL BE CONFIRMED PRIOR TO THE INSTALLATION OF SIGNAL EQUIPMENT. ALL TRAFFIC SIGNAL FOUNDATIONS SHALL BE INSTALLED AT FINAL SIDEWALK OR CURB GRADE FOR CLOSED SECTIONS, HIGHEST ROADWAY PROFILE GRADE FOR OPEN SECTIONS, TO MEET CLEARANCES AS SPECIFIED IN MD 816.03, MD 818.01, MD 818.02, MD 818.04. THE CONTRACTOR SHALL VERIFY ULTIMATE GRADES PRIOR TO THE INSTALLATION OF ALL SIGNAL EQUIPMENT.
 - ALL UNDERGROUND AND OVERHEAD UTILITIES SHOWN ON THESE PLANS ARE SCHEMATIC AND ARE NOT TO BE CONSIDERED COMPLETE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR NOTIFYING ALL UTILITY COMPANIES PRIOR TO CONSTRUCTION SO THAT ALL UTILITIES MAY BE LOCATED IN THE FIELD. IF THE CONTRACTOR PERCEIVES THAT A CONFLICT BETWEEN THE UTILITIES AND THE TRAFFIC SIGNAL EQUIPMENT WILL OCCUR, THE CONTRACTOR SHALL NOTIFY THE APPROPRIATE PROJECT ENGINEER IMMEDIATELY.

- CONSTRUCTION DETAILS**
- INSTALL 27 FT. STEEL TWIN MAST ARM POLE WITH 60 FT. AND 50 FT. MAST ARMS, SIGNAL HEADS, SIGNS, VIDEO DETECTION CAMERAS, 20 FT. LUMINAIRE ARM, AND 250 WATT HPS LUMINAIRE (NOTE: ONE 3 IN. PVC SCHEDULE 80 CONDUIT BEND).
 - INSTALL A NEMA SIZE 6 BASE MOUNTED CONTROLLER AND CABINET. (NOTE: TWO-4 IN. PVC, AND TWO-2 IN. PVC SCHEDULE 80 CONDUIT BENDS).
 - INSTALL METERED SERVICE PEDESTAL FOR UNDERGROUND ELECTRICAL SERVICE BY DELMARVA POWER.
 - INSTALL HANDHOLE.
 - INSTALL 3 IN. PVC SCHEDULE 80 ELECTRICAL CONDUIT - TRENCHED.
 - INSTALL 3 IN. PVC SCHEDULE 80 ELECTRICAL CONDUIT - BORED.
 - INSTALL 4 IN. PVC SCHEDULE 80 ELECTRICAL CONDUIT - TRENCHED.
 - INSTALL 4 IN. PVC SCHEDULE 80 ELECTRICAL CONDUIT FOR AN UNDERGROUND ELECTRICAL SERVICE BY DELMARVA POWER - BORED. (WITH PULL STRING)
 - INSTALL 4 IN. PVC SCHEDULE 80 ELECTRICAL CONDUIT FOR AN UNDERGROUND ELECTRICAL SERVICE BY DELMARVA POWER - TRENCHED. (WITH PULL STRING)
 - INSTALL 24 IN. HEAT APPLIED, WHITE PERMANENT PREFORMED THERMOPLASTIC PAVEMENT MARKING FOR STOP LINE.
 - INSTALL NON-INVASIVE MICRO-LOOP PROBE DETECTOR (SET OF 3).
 - INSTALL GROUND MOUNTED SIGN.
 - REMOVE EXISTING GROUND MOUNTED SIGN UPON PLACING TRAFFIC SIGNAL INTO OPERATION AND ROADWAY IS CONSTRUCTED.
 - INSTALL 2 IN. PVC SCHEDULE 80 ELECTRICAL CONDUIT - TRENCHED.
 - INSTALL 2 IN. PVC SCHEDULE 80 ELECTRICAL CONDUIT - TRENCHED FOR PHONE DROP TO BE DETERMINED IN THE FIELD.
 - INSTALL HANDHOLE. (PERPENDICULAR TO THE EDGE OF ROAD).
 - INSTALL 4 IN. PVC SCHEDULE 80 ELECTRICAL CONDUIT - BORED.
 - INSTALL 27 FT. STEEL TWIN MAST ARM POLE WITH 60 FT. AND 40 FT. (CUT FROM A 50 FT.) MAST ARMS, SIGNAL HEADS, SIGNS, VIDEO DETECTION CAMERAS, 20 FT. LUMINAIRE ARM, AND 250 WATT HPS LUMINAIRE (NOTE: ONE 3 IN. PVC SCHEDULE 80 CONDUIT BEND).
 - INSTALL 4 IN. PVC 60° SWEEP BEND.
 - REMOVED AS PART OF LIGHTING PLAN.

THESE PLANS ARE APPROVED FOR CONSTRUCTION FOR A PERIOD OF 1 YEAR FROM THE DATE OF APPROVAL SHOULD CONSTRUCTION NOT BEGIN WITHIN THIS TIME FRAME THESE PLANS SHALL BE NULL AND VOID WITHOUT A REVIEW FROM THE TRAFFIC ENGINEERING DESIGN DIVISION.

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GEOMETRIC LEGEND	
—	EXISTING
---	PROPOSED
UTILITY LEGEND	
—SD—SD	STORM DRAIN
—G—G	GAS MAIN
—W—W	WATER MAIN
—S—S	SEWER MAIN
—E—E	ELECTRIC CABLES
—A—A	AERIAL CABLES
—T—T	TELEPHONE CABLES
—F—F	FIBER-OPTIC

APPROVALS	
TEAM LEADER	8/17/2010
ASST. DIV. CHIEF	8/17/2010
DIVISION CHIEF	8/17/2010
OFFICE DIRECTOR	8/17/2010

REVISIONS	

SHA STATE OF MARYLAND
DEPARTMENT OF TRANSPORTATION
STATE HIGHWAY ADMINISTRATION
OFFICE OF TRAFFIC & SAFETY
TRAFFIC ENGINEERING DESIGN DIVISION
MD 589 (RACETRACK ROAD) AT
McALLISTER ROAD / OCEAN DOWNS ENTRANCE
Ocean Pines, MD

TRAFFIC SIGNAL PLAN

SCALE 1" = 20' DATE JULY 29, 2010 CONTRACT NO. BW996M82

DESIGNED BY FRANK HOECKEL COUNTY WORCESTER
DRAWN BY FRANK HOECKEL LOGMILE 23058900.042
CHECKED BY TIMS NO. K-293
F.A.P. NO. N/A TOD NO.

TS NO. 4765 DRAWING **SG-01** OF 01 SHEET NO. 1 OF 2